**Storing and Retrieving Data - Project Report**

**Sneakersly – Shoe Shop**

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**Description of our online shop**

Snearkersly is a shoe shop founded in 2020. The aim of the group is to deliver many types of shoes using only an online shop. With a vast range of products, sneakersly offers sneakers, golf shoes, hiking boots, running shoes, and others.

The shop relies on a wide range of suppliers that grant the stocks to allow us to deliver any shoes at any time.

In order to buy a product in our online shop the customer needs to register with a valid email account and enter the required details for delivery. Once the purchase process is complete a unique customer id and order id will be generated. Once a customer makes his first purchase he sticks with his first customer id for others purchases he may do.

**The database**

The online shop has a stock of products. The table 'stock' keeps track of all the products that are currently in stock. One row represents one specific product, such as the pair of shoes ‘Nike\_123’. Each specific product has an available quantity associated with it. This quantity of items in stock of a certain product is represented by the attribute type ‘available\_quantity’.

Stock is added by ordering and receiving from our suppliers who are represented by instances/rows in the table ‘supplier’.

When we order from our suppliers, a ‘supplier\_order’ is created to which ‘supplier\_order\_items’ are associated. These are also created when the order is made.

The products Sneakersly sells are all from the available stock.

Customers are represented by instances/rows in the table 'customer' and the same happens with our suppliers.

When a customer makes an order, a row in ‘customer\_order’ is created to which ‘supplier\_order\_items’ are associated. These are also created when the order is made.

Log\_price is going to be the table keeping track of the changes suffered by the products.

**EER Diagram**

Diagram

Description automatically generated

Fig 1 : *Sneakersly* database EER diagram